

Resource Summary Report

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Anti-BNIP3L/Nix (D4R4B) Rabbit Antibody

RRID:AB_2688036

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 12396, RRID:AB_2688036

Antibody Information

URL: http://antibodyregistry.org/AB_2688036

Proper Citation: Cell Signaling Technology Cat# 12396, RRID:AB_2688036

Target Antigen: BNIP3L/Nix

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IP, IF-IC

Antibody Name: Anti-BNIP3L/Nix (D4R4B) Rabbit Antibody

Description: This monoclonal targets BNIP3L/Nix

Target Organism: Human, Rat, Monkey, Mouse

Clone ID: D4R4B

Antibody ID: AB_2688036

Vendor: Cell Signaling Technology

Catalog Number: 12396

Alternative Catalog Numbers: 12396S

Record Creation Time: 20250819T234742+0000

Record Last Update: 20250820T062630+0000

Ratings and Alerts

No rating or validation information has been found for Anti-BNIP3L/Nix (D4R4B) Rabbit Antibody.

No alerts have been found for Anti-BNIP3L/Nix (D4R4B) Rabbit Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#).

Kyriakopoulou E, et al. (2025) EPAS1 induction drives myocardial degeneration in desmoplakin-cardiomyopathy. *iScience*, 28(3), 111895.

Yamashita SI, et al. (2025) The mitophagy receptors BNIP3 and NIX mediate tight attachment and expansion of the isolation membrane to mitochondria. *The Journal of cell biology*, 224(7).

Cao K, et al. (2025) RFX2-BNIP3 axis-driven adaptive mitophagy promotes resistance to ACK1-targeted therapy in non-small cell lung cancer. *Oncogene*, 44(37), 3461.

Meroni M, et al. (2025) Exploring multiorgan mitochondrial dysfunction in the switch toward progressive MASLD in AMLN mice. *iScience*, 28(9), 113449.

Vykoukal J, et al. (2025) Vesicle-mediated mitochondrial clearance presents an actionable metabolic vulnerability in triple-negative breast cancer. *Cell reports. Medicine*, 6(12), 102478.

Sun Y, et al. (2024) A mitophagy sensor PPTC7 controls BNIP3 and NIX degradation to regulate mitochondrial mass. *Molecular cell*, 84(2), 327.

Longo M, et al. (2024) Opposing roles for AMPK in regulating distinct mitophagy pathways. *Molecular cell*, 84(22), 4350.

Koppel SJ, et al. (2023) γ -Hydroxybutyrate preferentially enhances neuron over astrocyte respiration while signaling cellular quiescence. *Mitochondrion*, 68, 125.

Reisbeck L, et al. (2023) The iron chelator and OXPHOS inhibitor VLX600 induces mitophagy and an autophagy-dependent type of cell death in glioblastoma cells. *American journal of physiology. Cell physiology*, 325(6), C1451.

Long M, et al. (2022) DGAT1 activity synchronises with mitophagy to protect cells from metabolic rewiring by iron depletion. *The EMBO journal*, 41(10), e109390.

Ordureau A, et al. (2021) Temporal proteomics during neurogenesis reveals large-scale proteome and organelle remodeling via selective autophagy. *Molecular cell*, 81(24), 5082.

Leermakers PA, et al. (2020) Iron deficiency-induced loss of skeletal muscle mitochondrial proteins and respiratory capacity; the role of mitophagy and secretion of mitochondria-containing vesicles. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 34(5), 6703.

Kullmann JA, et al. (2020) Oxygen Tension and the VHL-Hif1 α Pathway Determine Onset of Neuronal Polarization and Cerebellar Germinal Zone Exit. *Neuron*, 106(4), 607.

Leermakers PA, et al. (2020) Pulmonary inflammation-induced alterations in key regulators of mitophagy and mitochondrial biogenesis in murine skeletal muscle. *BMC pulmonary medicine*, 20(1), 20.

Zhang Y, et al. (2018) Transcriptome Landscape of Human Folliculogenesis Reveals Oocyte and Granulosa Cell Interactions. *Molecular cell*, 72(6), 1021.

Li C, et al. (2018) PINK1 and PARK2 Suppress Pancreatic Tumorigenesis through Control of Mitochondrial Iron-Mediated Immunometabolism. *Developmental cell*, 46(4), 441.

Qian X, et al. (2017) Phosphoglycerate Kinase 1 Phosphorylates Beclin1 to Induce Autophagy. *Molecular cell*, 65(5), 917.